

WHAT IS CLAIMED IS:

1. A shaving blade unit comprising:
a housing having a front edge, a rear edge and side edges extending between the front and rear edges, the housing defining an aperture between the front and rear edges;
one or more shaving blades between the front edge and the rear edge, the one or more blades having cutting edges arranged to define a cutting region; and
a clip arranged to retain the one or more shaving blades on the housing, the clip having a leg received by the aperture, the leg having a bent portion defining a curvature to secure the clip to the housing.
2. The shaving blade unit of claim 1, wherein the aperture extends from a top surface to a bottom surface of the housing.
3. The shaving blade unit of claim 2, wherein the leg extends through the aperture and is bent about at least a portion of the bottom surface of the housing.
4. The shaving blade unit of claim 1, wherein the aperture is between the side edges.
5. The shaving blade unit of claim 1, wherein the leg is bent about at least a portion of a bottom surface of the housing.
6. The shaving blade unit of claim 1, wherein the leg has a relatively straight portion.
7. The shaving blade unit of claim 1, wherein the leg has multiple bent portions.

8. The shaving blade unit of claim 1, wherein the leg is bent to a curvature greater than 90 degrees.
9. The shaving blade unit of claim 1, wherein the clip has multiple legs.
10. The shaving blade unit of claim 9, wherein the legs extend through corresponding apertures in the housing between the front and rear edges.
11. The shaving blade unit of claim 9, wherein each of the legs has a bent portion defining a respective curvature.
12. The shaving blade unit of claim 9, wherein each of the legs is bent about at least a portion of a bottom surface of the housing.
13. The shaving blade unit of claim 9, wherein the legs have differing curvatures.
14. The shaving blade unit of claim 13, wherein each of the legs has a curvature of greater than 90 degrees.
15. The shaving blade unit of claim 1, comprising multiple clips extending into associated apertures defined by the housing between the front and rear edges, each clip arranged to retain the one or more blades on the housing and having legs having a bent portion to secure the clip to the housing.
16. The shaving blade unit of claim 15, wherein the legs of a respective clip have differing curvatures.
17. The shaving blade unit of claim 16, wherein the curvatures are greater than 90 degrees.

18. The shaving blade unit of claim 16, wherein the legs are bent about at least a portion of a bottom surface of the housing.

19. The shaving blade unit of claim 16, wherein the clips are located in-board of the front, rear and side edges and spaced from each other.

20. The shaving blade unit of claim 16 comprising a pair of clips wherein one of the pair of clips is located near one of the side edges and the other clip is located near the other of the side edges such that the one or more blades have a blade length (L_b) extending between the clips.

21. The shaving blade unit of claim 20 comprising an elastomeric member affixed to the housing, the elastomeric member having a length (L_e) measured parallel to a blade axis that is greater than the blade length (L_b).

22. The shaving blade unit of claim 21, wherein the elastomeric member comprises a group of fins.

23. The shaving blade unit of claim 22, wherein at least one the fins has a length (L_f) measured parallel to the blade axis that is at least equal to the blade length (L_b).

24. The shaving blade unit of claim 22, wherein the fins have an associated length (L_f) measured parallel to the blade axis, the associated lengths (L_f) increasing from a fin furthest from the one or more blades to the fin nearest the one or more blades.

25. The shaving blade unit of claim 1 comprising a trimming blade assembly retained on the housing.

26. The shaving blade unit of claim 25, wherein the clip retains the trimming blade assembly on the housing.

27. The shaving blade unit of claim 26, wherein the leg extends through an opening defined by the trimming blade assembly.

28. The shaving blade unit of claim 1, wherein the bent portion is formed by crimping.

29. The shaving blade unit of claim 1, wherein the clip comprises aluminum.

30. A shaving blade unit comprising:
a housing having a front edge, a rear edge and side edges extending between the front and rear edges;
one or more shaving blades between the front edge and the rear edge, the one or more blades having cutting edges arranged to define a cutting region; and
a clip arranged to retain the one or more shaving blades on the housing, the clip having legs having differing curvatures.

31. The shaving blade unit of claim 30 comprising a trimming blade assembly retained on the housing.

32. The shaving blade unit of claim 31, wherein a leg of the clip retains the trimming assembly on the housing.

33. The shaving blade unit of claim 32, wherein the leg extends through an opening defined by the trimming assembly.

34. The shaving blade unit of claim 30, wherein the legs are received by respective apertures defined by the housing.

35. The shaving blade unit of claim 34, wherein the apertures are located between the front and rear edges of the housing.

36. The shaving blade unit of claim 35, wherein the apertures are located between the side edges of the housing.

37. The shaving blade unit of claim 30, wherein the curvatures are defined by multiple bent portions.

38. The shaving blade unit of claim 37, wherein the legs include a straight portion.

39. The shaving blade unit of claim 38, wherein the straight portion extends through the housing.

40. The shaving blade unit of claim 30, wherein the curvatures are greater than about 90 degrees.

41. The shaving blade unit of claim 30, wherein the legs extend about at least a portion of a bottom surface of the housing.

42. The shaving blade unit of claim 30, wherein the clip comprises aluminum.

43. The shaving blade unit of claim 30, wherein the curvatures are formed by crimping.

44. A shaving blade unit comprising
a housing having a front edge and a rear edge and two side edges extending from the front edge to the rear edge;

one or more shaving blades between the front edge and the rear edge, the one or more blades having cutting edges arranged to define a first cutting region,

a trimming blade connected to the housing and having a cutting edge to define a second cutting region that is spaced from the first cutting region; and
a clip arranged to secure the trimming blade to the housing.

45. The shaving blade unit of claim 44, wherein the clip retains the one or more shaving blades on the housing.

46. The shaving blade unit of claim 44, wherein the clip has a leg received by an aperture defined by the housing and located between the front and rear edges.

47. The shaving blade unit of claim 47, wherein the leg has a bent portion defining a curvature to retain the clip on the housing.

48. The shaving blade unit of claim 47, wherein the leg has multiple bent portions defining the curvature.

49. The shaving blade unit of claim 47, wherein the clip has multiple legs having differing curvatures to retain the clip on the housing.

50. The shaving blade unit of claim 44 comprising a trimming blade assembly including the trimming blade, the leg extending through an opening in the trimming blade assembly to secure the trimming blade to the housing.

51. The shaving blade unit of claim 50, wherein the clip is in electrical contact with both the one or more shaving blades and the trimming assembly, so as to form an anode-cathode cell in which the clip functions as a sacrificial anode that corrodes and the one or more shaving blades and trimming blade function as a cathode that is protected from corrosion.

52. A shaving blade unit comprising

a plastic housing having a front portion and a rear portion and two side surfaces extending from said front portion to said rear portion,

one or more shaving blades between said front portion and said rear portion, said one or more blades having cutting edges arranged to define a first cutting region,

a trimming assembly including a trimming blade having a cutting edge arranged on said housing to define a second cutting region that is spaced from said first cutting region; and

a metallic sacrificial member in electrical contact with both the shaving blades and the trimming assembly, so as to form an anode-cathode cell in which the sacrificial member functions as a sacrificial anode that corrodes and the shaving blades and trimming blade function as a cathode that is protected from corrosion.

53. The shaving blade unit of claim 52, wherein the sacrificial member functions as a clip to retain the shaving blades within the housing.

54. The shaving blade unit of claim 53, wherein the shaving blade unit comprises a pair of clips, disposed adjacent the side surfaces of the housing.

55. The shaving blade unit of claim 54, wherein the clips are spaced from the side surfaces and extend through openings in the housing.

56. The shaving blade unit of claim 55, wherein both clips function as sacrificial members.

57. The shaving blade unit of claim 55, wherein the clips maintain the cutting edges of the shaving blades within a single plane.

58. The shaving blade unit of claim 52, wherein the sacrificial member functions as a clip to secure the trimming assembly to the housing.

59. The shaving blade unit of claim 58, wherein the shaving blade unit comprises a pair of clips, disposed adjacent the side surfaces of the housing.

60. The shaving blade unit of claim 59, wherein the clips are spaced from the side surfaces and extend through openings in the housing.

61. The shaving blade unit of claim 60, wherein the trimming assembly includes a blade carrier that includes a pair of openings configured to receive the clips.

62. The shaving blade unit of claim 61, wherein the blade carrier is formed of stainless steel.

63. The shaving blade unit of claim 52, wherein the trimming blade is formed of stainless steel.

64. The shaving blade unit of claim 52, wherein the sacrificial member is formed of aluminum or an aluminum alloy.

65. The shaving blade unit of claim 52, wherein the shaving blades are formed of stainless steel.

66. The shaving blade unit of claim 52, wherein the trimming blade is mounted on a blade carrier that is secured to said housing, said blade carrier providing an electrical connection from said metallic sacrificial member to said trimming blade.

67. A shaving blade unit comprising
a plastic housing having a front portion and a rear portion and two side surfaces extending from said front portion to said rear portion,
one or more shaving blades between said front portion and said rear portion, said one or more blades having cutting edges arranged to define a cutting region,
a metal component arranged on said housing, spaced from said cutting region; and

a metallic sacrificial member in electrical contact with both the shaving blades and the metal component, so as to form an anode-cathode cell in which the sacrificial member functions as a sacrificial anode that corrodes and the shaving blades and metal component function as a cathode that is protected from corrosion.

68. The shaving blade unit of claim 67, wherein the metal component is a trimming blade.

69. The shaving blade unit of claim 68 further comprising a trimming assembly connected to the housing to secure the trimming blade to the housing.

70. The shaving blade unit of claim 69, wherein the metallic sacrificial member is a clip configured to secure the trimming assembly to the housing.

71. The shaving blade unit of claim 67, wherein the metallic sacrificial member is a clip configured to retain the one or more shaving blades on the housing.

72. A method of forming a shaving blade unit, the method comprising:
positioning one or more shaving blades on a housing;
inserting each leg of a clip through an associated aperture defined by the housing; and
crimping each leg to secure the clip to the housing and to retain the shaving blades on the housing.

73. The method of claim 72 further comprising securing a trimming assembly including a trimming blade to the housing.

74. The method of claim 73, wherein the step of crimping comprises crimping each leg to secure the trimming assembly to the housing.

75. The method of claim 74, wherein the clip is in electrical contact with the trimming assembly, so as to form an anode-cathode cell in which the sacrificial member functions as a sacrificial anode that corrodes and the trimming blade functions as a cathode that is protected from corrosion.

76. The method of claim 75, wherein the clip is in electrical contact with the one or more shaving blades, so as to form an anode-cathode cell in which the sacrificial member functions as a sacrificial anode that corrodes and the one or more shaving blades function as a cathode that is protected from corrosion.

77. A shaving razor comprising:
a handle; and
a shaving cartridge including connection structure connecting the cartridge to the handle, the shaving cartridge comprising
a housing having a front edge, a rear edge and side edges extending between the front and rear edges, the housing defining an aperture between the front and rear edges;
one or more shaving blades between the front edge and the rear edge, the one or more blades having cutting edges arranged to define a first cutting region;
and
a clip arranged to retain the one or more shaving blades on the housing, the clip having a leg received by the aperture, the leg having a bent portion defining a curvature to secure the clip to the housing.

78. The shaving razor of claim 77, wherein the shaving cartridge is permanently connected to the handle.

79. The shaving cartridge of claim 77, wherein the shaving cartridge is removably connected to the handle by the connection structure.